Protecting of multiple application smart card against fraud by using mechanism forcing access to presentation and verification interface of authentication string on demand of authentication string from terminal

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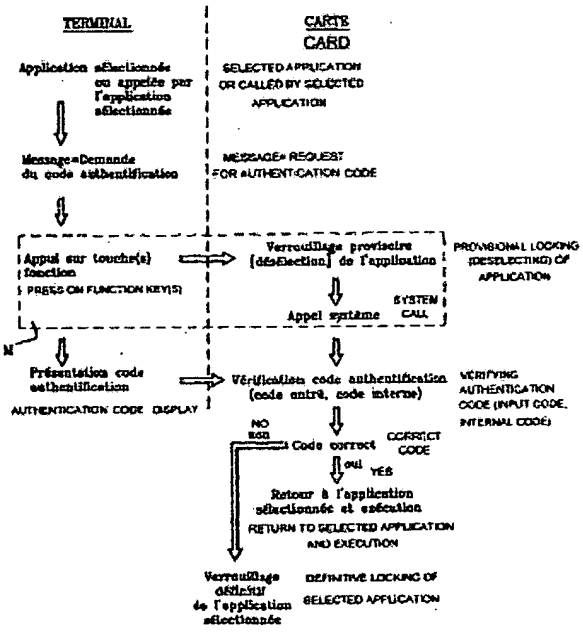
Abstract of **FR2804234**

A smart card(s) includes an operating system and an interface for presentation and verification of an authentication string of a user. A system of the card uses a mechanism forcing the access to the presentation and verification interface of the authentication string when it initiates the process at the time of a demand of authentication string from a terminal. Independent claims are included for: (a) a multiple application smart card (b) a terminal capable of communication with a smart card


TERMINAL
CARTE
CARD
Application sélectionnée ou appelée par l'application sélectionnée
SELECTED APPLICATION OR CALLED BY SELECTED APPLICATION
Message=Demande du code authentification
MESSAGE= REQUEST FOR AUTHENTICATION CODE
Appui sur touche(s) fonction
PRESS ON FUNCTION KEY(S)
Verrouillage provisoire (désélection) de l'application
PROVISIONAL LOCKING (DESELECTING) OF APPLICATION
Appel système
SYSTEM CALL
Présentation code authentification
AUTHENTICATION CODE DISPLAY
Vérification code authentification (code entré, code interne)
VERIFYING AUTHENTICATION CODE (INPUT CODE, INTERNAL CODE)
NO non
Code correct ?
CORRECT CODE
oui YES
Retour à l'application sélectionnée et exécution
RETURN TO SELECTED APPLICATION AND EXECUTION
Verrouillage définitif de l'application sélectionnée
DEFINITIVE LOCKING OF SELECTED APPLICATION

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